

INLINE FIREPROOF DUCT FAN

SKU Code: VF1013

Hot Seller- Our Inline Fireproof Duct Fan

Overview W-MIXVENT & W-SILENT Series



Compact Size-W Fans require minimum space

The "ENER-J" W-MIXVENT series of in-line duct fans have been specially designed to maximize the airflow performance with minimal noise levels within the smallest and most compact of housing sizes. This makes the W-MIXVENT series the ultimate solution for small to medium sized ventilation installations which required a high airflow to pressure ratio and occupy only the minimum space possible. Example: false ceiling voids, cabinets and many other limited space environments.

Easy to Install...fit and forget!

All the models in the W-MIXVENT range have been design with the professional contractor/engineer in mind. All model include a "removable body" feature that enables the motor-impeller assembly to be completely removed or replaced without the need to interfere with the attached ducting.



Internal parts can be easily removed for mounting & servicing

Description

All of the W-fans include the combination of a powerful motor, factory installed, to a mixed flow impeller. This motor and impeller combination enables the W-fans to deliver high air flow performances with minimum noise generation against high static pressures typically found in ducted ventilation fitted or removed without dismantling the adjacent ducting and therefore, facilitating any installation or maintenance. The internal aerodynamic design of the W-MIXVENT fans enable the units to generate large air volumes and pressures with the minimum of in-duct or radiated noise. The W-fans offer the ideal in-line duct fan solution for a wide range of HVAC ventilation application.

W-MIXVENT & W-SILENT Practical Installations

The W-MIXVENT system offers the most versatile installation range on the market, as a result of its multiple combinations; it can be used in a large number of small and mid-range.



Domestic - Range Hood Exhaust



Commercial - Office



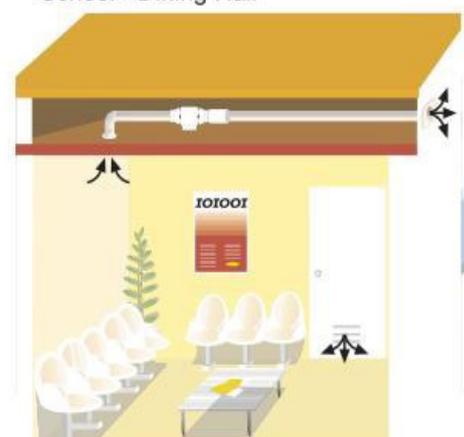
Industrial - Public Restroom



School - Dining Hall



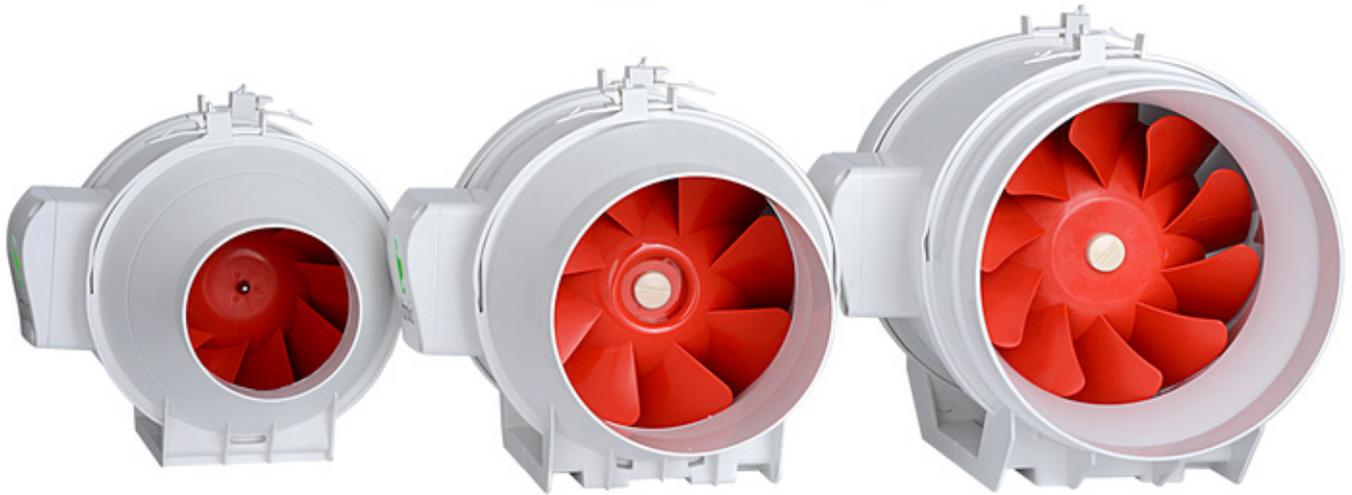
Industrial - Locker Room



Health - Waiting Room

General Detail of the W-MIXVENT Range

Low profile mixed flow fans, manufactured in plastic material (up to model 200), with external terminal box, removable motor-impeller assembly and adjustable single-phase motor, Class B, IP44.



Construction Characteristics

	100	125	150	200
Polypropylene housing	•	•	•	•
ABS fan blades	•	•	•	•
Thermal link with automatic reset	•	•	•	•
Permanently lubricated ball bearings	•	•	•	•

The extensive range of the W-MIXVENT series makes it an effective solution for a wide range of residential and light commercial ventilation installations.

W-MIXVENT Installation & Maintenance

Easy to Install

1



Secure the support

2



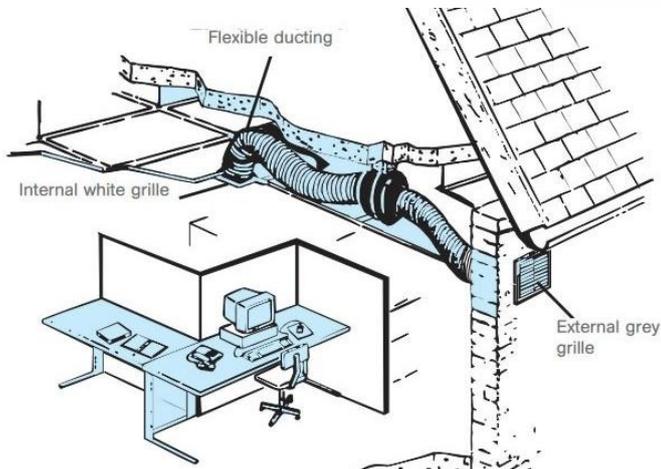
Make the connections

3

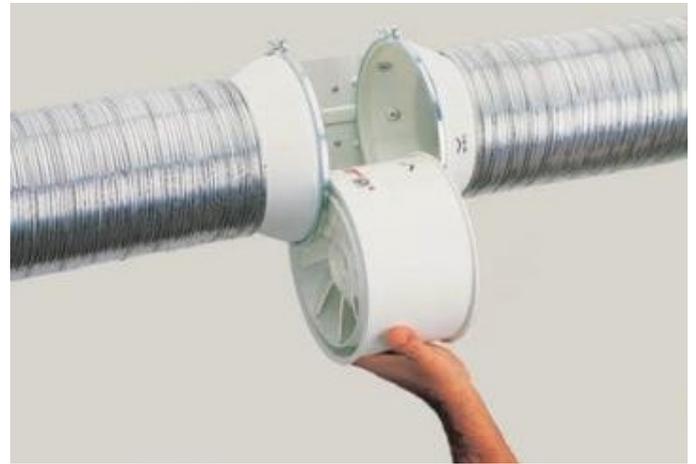


Connect the ducts

Flexibility in Location



Easy maintenance



Removable body, for repair or cleaning,
without need to touch the ducts

Range

The W-MIXVENT series consists of four(4) nominal sized in-line fans. All models are specifically designed for direct connection in-line with industry standard diameter round ducting.

Construction

The W-MIXVENT model 100, 125, 150, and 200 are manufactured in tough reinforced plastic.

Impellers

The impeller blades for 100mm are molded in tough ABS plastic.

Motors

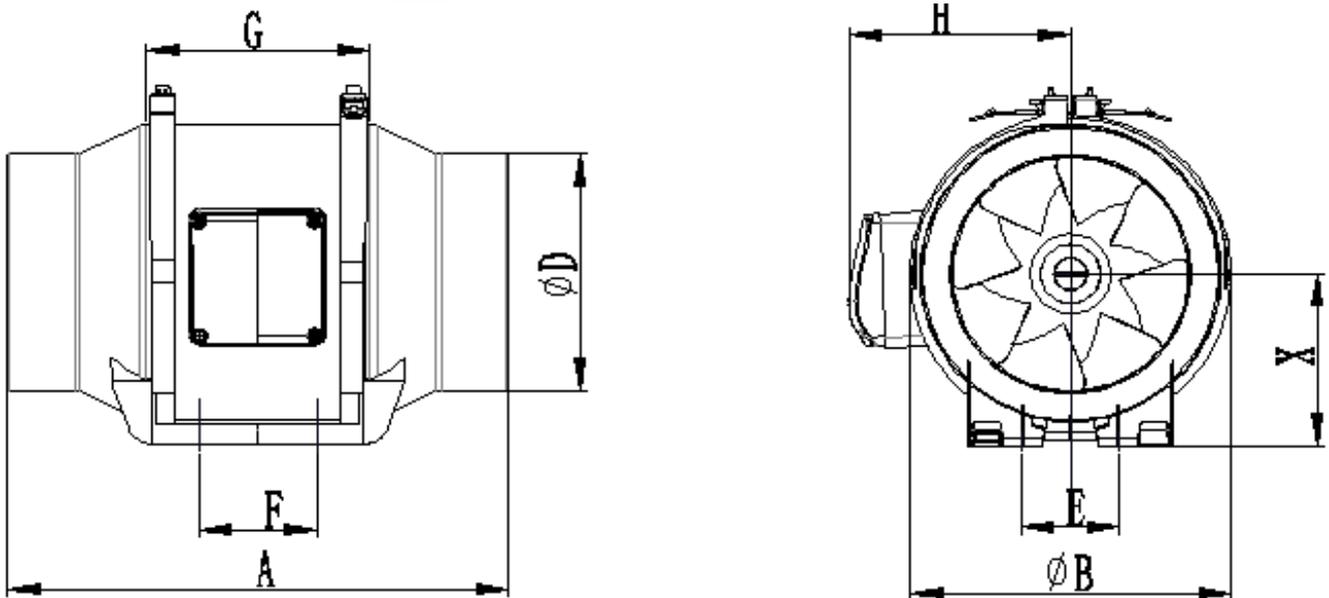
- Two-speed motor, imported NMB ball bearing, it's life expectancy up to 50,000 hours.
- IP44 Protection class, waterproof and dustproof more effective.
- Can be designed with a delay function, temperature sensors and humidity sensors, more of user-friendly features design.
- Run the ambient temperature range: -20°C-60°C.

Performance Characteristics

Model	Speed	Specification							
		Voltage/Frequency	Current (Amps)	Power (W)	Speed (RPM)	Airflow (m3/h)	Air Pressure (Pa)	Noise (dB)	Net Weight (kgs)
W100-01	H	230V/50Hz	0.13	30	2450	280	205	31	1.7
	M		0.13	27	2050	235	144	28	
	L		0.12	25	1650	188	93	26	
W150-01	H	230V/50Hz	0.28	51	2600	550	340	33	2.5
	M		0.20	46	2050	440	260	31	
	L		0.19	42	1650	340	230	29	
W200-01	H	230V/50Hz	0.59	131	2450	850	370	63	4.1
	M		0.50	114	2050	710	259	59	
	L		0.44	101	1650	572	167	55	

H=High Speed, M=Mid Speed, L=Low Speed

Dimensions (inches/mm)



	A	ØB	ØD	E	F	G	H	X
W100-0	304.0	Ø178.0	Ø98.0	60.0	80.0	123.0	101.0	128.5
W150-01	313.0	Ø200.0	Ø149.0	60.5	74.0	130.0	108.5	138.5
W200-01	307.0	Ø220.0	Ø198.0	74.0	60.0	165.0	127.5	149.5

Dimensions (inches/mm)

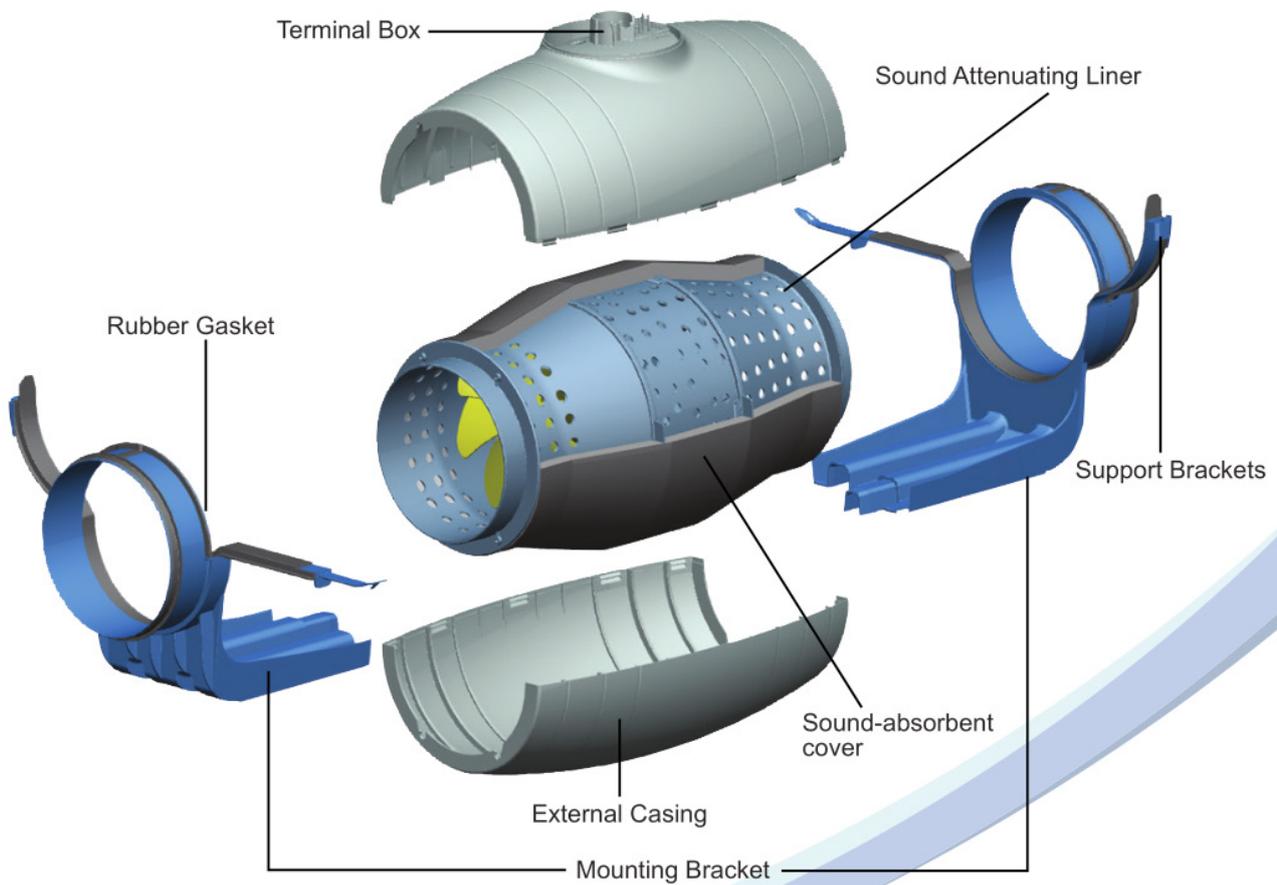
General Details of the W-SILENT Range



As the name suggests these fans are extremely quiet, low profile “Mixed-flow” fans. Manufactured in plastic material with an external connection box. The body is easily dismantled with full speed controllable, triple speed motor. Sounds waves are directed through the perforated inner skin and absorbed by a layer of sound-absorbent insulation. Plus the W- SILENT is fitted with rubber gaskets on the inlet and outlet to absorb vibrations

Construction Characteristics

	W100S	W150S	W200S
Polypropylene housing	.	.	.
ABS fan blades	.	.	.
Thermal link with automatic reset	.	.	.
Permanently lubricated ball bearings	.	.	.



W-SILENT Easy Installation



Loosen the clamps.



Open the clamps on both ends.



Remove the fan body.



Re-mount fan body by tightening the clamps



W-SILENT Technical Specifications

Model	Speed	Specification							
		Voltage/Frequency	Current (Amps)	Power (W)	Speed (RPM)	Airflow (m3/h)	Air Pressure (Pa)	Noise (dB)	Net Weight (kgs)
WJ100S-01	H	230V/50Hz	0.13	30	2450	280	205	25	3.3
	m		0.13	27	2050	235	144	23	
	L		0.12	25	1650	188	93	22	
WJ150S-01	H	230V/50Hz	0.28	51	2600	550	340	30	4.0
	m		0.20	46	2050	440	260	28	
	L		0.19	42	1650	340	230	25	
WJ200S-01	H	230V/50Hz	0.59	131	2450	850	370	35	4.9
	m		0.50	114	2050	710	259	32	
	L		0.44	101	1650	572	167	29	

H=High Speed, M=Mid Speed, L=Low Speed

Range

The W-SILENT consists of three(3) nominal sized in-line fans. All models are specifically designed for direct connection in-line with industry standard diameter round ducting.

Construction

The W-SILENT model WJ100S, WJ150S, WJ200S are manufactured in tough reinforced plastic. Sound waves are directly through the perforated inner skin and absorbed by a layer of sound-absorbent insulation. Plus the W-SILENT is fitted with rubber gaskets on the inlet and outlet to absorb vibrations.

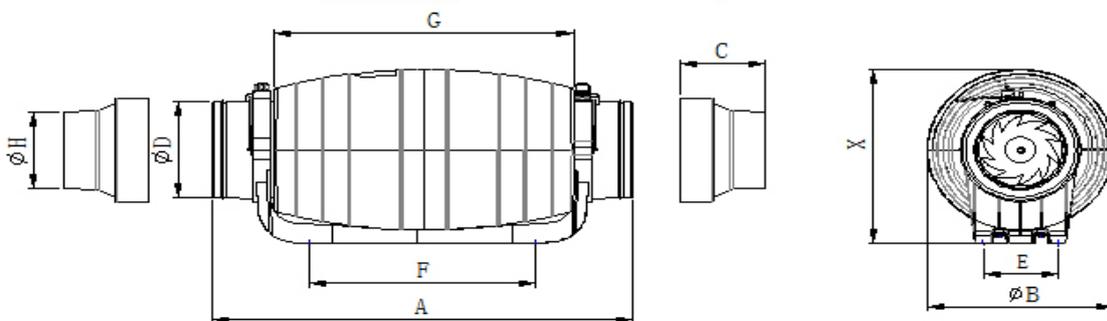
Impellers

The impeller blades are molded in tough ABS plastic.

Motors

- Outer rotor motor inside, with Japanese brand NMB ball bearing, it's life expectancy up to 50,000 hours.
- IP44 Protection class, waterproof and dustproof more effective.
- Can be designed with a delay function, temperature sensors and humidity sensors, more of user-friendly features design.
- Run the ambient temperature range: -20°C-60°C.

Performance Characteristics



	A	ØB	ØD	E	F	G	X	C	H
WJ100S-0	460.0	Ø204.5	Ø123.5	81.5	248.5	333.0	222.0	125.0	Ø988.0
WJ150S01	485.0	Ø223.0	Ø148.5	94.0	251.0	355.0	246		
WJ200S-01	570.0	Ø265.0	Ø198.0	127.0	340.0	440.0	297.0		

Dimensions (inches/mm)